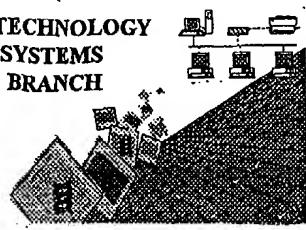


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/404,520A

Source:

1600

Date Processed by STIC:

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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

• PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

2 <110> APPLICANT: Cao, Yongwei
3 Ghodssi, Azita
4 Hinkle, Gregory J.
5 McIninch, James
6 Timberlake, William E.
7 Yu, Jaehyuk
9 <120> TITLE OF INVENTION: Emericella nidulans Genome Sequence and Uses Thereof
11 <130> FILE REFERENCE: 38-10(15498)A
OK> 13 <140> CURRENT APPLICATION NUMBER: US/09/404,520A
OK> 13 <141> CURRENT FILING DATE: 1999-09-23
E--> 13 <160> NUMBER OF SEQ ID NOS: 44345 44347 (p.14)

pp 1/16
PCT Not Compliant
LAWSON O'NEILL & WEEDON

ERRORED SEQUENCES

1357 <210> SEQ ID NO: 24
1358 <211> LENGTH: 1314
1359 <212> TYPE: DNA
1360 <213> ORGANISM: Aspergillus nidulans → 12207
1362 <223> OTHER INFORMATION: unsure at all n locations
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1369 gtaacagccca gtcaatgcag cggacaagac agactccatt aggcataaag gctaaccatgc 180
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1407 tctttgtaat catctgcgcac atcaccctt tgactatatt ataaaaatga cgct 1314

insert the mandatory numerical identifier whenever
12217, 12227, or 12237
is shown

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PATENT APPLICATION: US/09/404,520A

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1557 <213> ORGANISM: Aspergillus nidulans *12207 insert*
1559 <223> OTHER INFORMATION: unsure at all n locations
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1566 ctggtaacc tgggacggaa gttcttggat gccccgtgtgg aegctctgat gattgagtgc 180
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Q 1584 gaancggta cccgcctcat catttcata gaactttcaa ttcgagttt tctgtttgt 720
1586 tcgtgtaaa aacataccctc tccgcatgat tgggggtcct cacttgaag taccactttg 780
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1921 <212> TYPE: DNA
1922 <213> ORGANISM: Aspergillus nidulans *12207 insert*
1924 <223> OTHER INFORMATION: unsure at all n locations
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1931 agctaggccct gaaaaccgc cccaaaccgt gtttaacaa gtctactgt ggggtccaa 180
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1939 atggcggtt tactgttcaag gtaaccacc cccaaacca cgtggcaga tcagcttaggc 420
1941 ctgaaaaccc gcccccaaccc gttgttac aagtctacc cccgggttgc tccggccggc 480
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1947 cacatgaaaa atcctcgatc agtcaatgcc cccctcccttc tcatcaatca gacaatcac 660
1949 cggaaaaaga gtcacaagac cttatgttca ccccccata tccctact ggcattccat 720
1951 cccaaaccc ctcacatgtc acaaaacccg aataactctc cccaccctgt ccccgaccat 780
1953 acatttcctg gtcaccgagt atactccgt tgcgttcaaa cccctccccc tcaattccca 840
1955 gtttccattt gtcaccgatc acgcggccctg agcgtggcga catccaaatg gtgtccggag 900
1957 ataggtccgg ctcaaaacacg tgcgttcaaa caagcgatca tgcgttagag ttggccggg 960
W--> 1959 gttggatgtta aacccctcgg ctgtttttttt gtcacaaacgt gccccatgtc ttgttagcagn 1020
1961 ggtgttcatc tcgggggtca ggaatgtgac gaggatgag 1059

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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2062 <212> TYPE: DNA

2063 <213> ORGANISM: Aspergillus nidulans *insert 12207*

2065 <223> OTHER INFORMATION: unsure at all n locations

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2072	ccctggaaaa	tagccggag	caactccatc	ctcctatcaa	cttcatctcc	tafcgcaggcc	180
2074	taaagacaag	ctcgccaaga	tttccgcctt	gacgacccctc	ccccaggaaa	acatgtccct	240
2076	ttagcaaacc	aagcgctccc	gtagatagaa	ctcttaattt	gaagccttct	atcatcgga	300
2078	acttcttca	aaatctctt	gagttttctt	accaaggact	agacactgca	tttgaatgtat	360
2080	ggtgttggcg	ctgaacgggc	ttccacttac	tgttcggcag	tctgttatgg	taggacgcct	420
2082	gaaatcgccg	attggtacta	tcgggactgg	accaggcgca	aaaacccagc	tcggtagatt	480
2084	ataattatgg	gacatgatac	atactggaa	tacaggttct	ctaagatatg	acttgctgcc	540
2086	attatcccct	atccatgatc	ctggctcgca	ggaatggtgg	cccggttcga	gaccaggta	600
2088	atctgccgt	gggcagaata	ttaaatggag	ttcagctcc	tgtaaaccaa	tattgattga	660
2090	catctaggggg	tgcacttgc	gcgggttggg	tacaacctgc	agggtttgaa	atctgcccgc	720
2092	gcgggttgc	gggttctacc	gcgcagggtt	aaaaaataca	taaaaataca	taattttcat	780
2094	agtttcaca	atattataca	tctttatagt	attttatgca	cttttgtgaa	tatataatgtat	840
2096	tttttattta	tttttctacc	cgcgcaagtgc	ccgcacaaacct	gcatgtattc	ccctattttaga	900
2098	accccgcaac	ccgcgcggac	tgctaatttg	caaaccctca	atgcactgt	gtgggtgtgt	960
2100	atggtggct	gctgcaggtt	gcagtgcggg	ttgacaatcc	tattgacatc	attagtaaca	1020
2102	tagaagtgtc	atgtaacgt	ctttgtgtgt	accaagtgt	caggataaaac	cactggctgg	1080
2104	tgtcgaccag	agaagaccc	ctcttactaa	tcaacatcca	gcacctcgct	cgtccaatca	1140

W--> 2106 tacgaggcaa tcacaccggc atagcgantt gcaactatct atataactaac tgaattatct 1200
2108 actga 1205

2405 <210> SEQ ID NO: 45

2406 <211> LENGTH: 809

2407 <212> TYPE: DNA

2408 <213> ORGANISM: Aspergillus nidulans *insert 12207*

2410 <223> OTHER INFORMATION: unsure at all n locations

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2417	gtccttgcc	tatacacgga	ccttagacct	tagtactcg	gccaaggctt	gcgcgtgcct	180
2419	gaaggttgc	agccacccat	aagacttctt	cacaacaaca	atccttctt	ctcatttctt	240
2421	ctttagcgat	tccttcttga	acgtacggc	cgtttagata	ggaagatcca	tctaaatacg	300
2423	tcccttaaca	tatcacaagc	ttagagaaag	aaataaaaaga	tagaagtgc	gatatcttcc	360
2425	tcctccctt	atcaacctt	ctgacttccc	ggacctgtat	gcccacggat	cccttcgcg	420
2427	aagttatgag	gatggatctc	cttttcttaag	cttcgaggcc	gcaattccaa	ggctgtatac	480
2429	tgatattgca	gaaaccttat	ttagaactgg	gttgaggggc	tagctggcaa	ccaaatcaag	540

W--> 2431 gccatagcct gtgacaattt gctttaact gctttaaat aatttntata tatattctat 600
2433 attactggat aattttacta ttaattaagc agttattaag aaatataatgtt taatctatct 660
2435 aagtagtcta caaaaaataaa agtttatata ttactagaaa attgcttatat taataaagct 720
2437 gggaaaaaaa aataaataatt atatttaac tactaanntt agataaataat aataaattat 780
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2462 <210> SEQ ID NO: 47

2463 <211> LENGTH: 6877

RAW SEQUENCE LISTING DATE: 01/07/2004
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Output Set: N:\CRF4\01072004\I404520A.raw

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 2465 <213> ORGANISM: Aspergillus nidulans *2207*
 2467 <223> OTHER INFORMATION: unsure at all n locations
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 2480 cccagccgag gcaaaaagcag tggttataatg agataactgaa tgctgttta catcttacc 360
 2482 cgttaggtgg aggtcaggca tcattagaac tgcattaaatg cttacccacc tcccatttt 420
 2484 agcgaagaat acatagatcg ttccgtcgg atcagccaaat cccggtaagg tgggttccg 480
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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 2696 aggttaagtgc tttctgtatc acctctcgat aagccttctt aaagatatta tgaggaatag 6840
 2698 ctccatgcac tcattttga gccgaaatga ctgtcac 6877
 2777 <210> SEQ ID NO: 51
 2778 <211> LENGTH: 404
 2779 <212> TYPE: DNA
 2780 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 2782 <223> OTHER INFORMATION: unsure at all n locations
flus 2783 <400> SEQUENCE: 51
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 2787 aagttcccgaaatccca aggaacaatc cgttgcataa caggccagc gaatgggtct 120
 2789 aacctcgatc ctactggaaa cgaacagtga gccttgcgtc ttcaatgcct gcccataaa 180
 2791 caaatcaatt tctccctttt acttgaggcc ttcttgcctc gcttgaatg cggcaatcg 240
 W--> 2793 ctgactgacg taaaacaacg gtcgggggg accnctgaac tgattcgtcc cttctgttca 300
 2795 gaagacgcgt ggtctgaccc cgatccccca gtttgcggat aacactgtca gtcatgtt 360
 2797 gtaaacgatc tagcgtggac tgaaggttt acaagctggaa ttga 404
 2799 <210> SEQ ID NO: 80
 2800 <211> LENGTH: 3496
 2802 <212> TYPE: DNA
 2803 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 2805 <223> OTHER INFORMATION: unsure at all n locations
flus 2806 <400> SEQUENCE: 80
 2808 agacgatctc agcccgctgg cttaaaactc gccgtggccct gactagggtt ttatgggg 60
 2810 ctttcgtcgt gcccactgcc cagccccag tggtgcgtct gtaggtacac tcgagctccc 120
 2812 ccaagccgct cccgctgcacg taagatggct atagcgctc ttcttcctt ggtcgacgc 180
 2814 tagcagaccg cacacgtcat cccttgcattt gtcattgggg ttctcgagaa attattttt 240
 2816 tattttttta tttttttctt cttccctatttttgggtt ggtacaatac tgcctagact 300
 2818 acggtaaca tctggggctcg atcctgagga aggacacagc catgaaattt tcagggatcg 360
 2820 tcatcgtcgc ccaatcacgt ccaggccctt caggcaagcc tatgccttat agagcataag 420
 2822 gactacagtc cgaatgccga aattcgcata aagttctca cagacccctt agcgcataatg 480
 2824 ctggcgccct cgcttagcagc gagctcgaga tcccccattt cttccctaa tctgggttacc 540

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7726 ttccgtgccc tggcgcccta gcagggcac ttgatttgc aacagcacag ccagggatgg 600
 7728 gccaaggagg ggagtccggg gctgcgttc tagcggcgaa tacgaagttac ttgagagcac 660
 7730 cgttccctg ttgatccatc ctgtccact ttttctctt gccccacagc cgtccgactc 720
 7732 gggctgacag gatgttatta cctcgacatt tccggcgact agtgcgcgtt gcgatcatgc 780
 7734 tcacaatcct catcaactgg catctactgc ggaagacaca tggaccggct gtggctgatg 840
 7736 cgcggcgca atatccacgg atcgcggaaatg acatagaggg tggaaagggg agccgggtg 900
 7738 gtgagtccctc tggatggatc ttgtttctc ttgagaagca gctgtggctga cctactctca 960
 7740 tgcaatagcc tggcatctcc cgtcaacatg gactgaaacc cccaaacacgc cccgtcaacga 1020
 7742 tggctcgca gccggcgcaac tggctctaaa cccgtcgacg aacgaccctt cccgcccac 1080
 7744 tccgcactcc aacatcccc ggtatccca tcaaacatgg agagatacca ggttcgagaa 1140
 7746 atggcgacca aagtaccagg cgagcgtgg aaaaatggctg cgcgtggctg aagaggagga 1200
 7748 tatccgtac ctatttggg atgatccgg agtgcgtcaa ttcatgcgaa cctttgagcc 1260
 7750 gaatcttgag gccggaaattct acggctcgcc gaggccgggtt gagcgtcgatg atgtatttcg 1320
 7752 cgtgtgggtt tgcaagtggg tgggtgggtt tggtaaggccctt ccagctctt tggcttttt 1380
 7754 tctctgactt gctgacaaggc tgcacatgtt gtaacgttgac atggacacccg agcccatccg 1440
 7756 gtcgcctact gaatggatca tggccaccga cctaattccc tggaccgacc agaagacaag 1500
 7758 caaactttat cactctacgc aagctgtcaa cccatcgac ggcacatcgag cagacacaaa 1560
 7760 ccctgacact gacacctact ggccatggg ctacttctt cccatccaa tcacccagtg 1620
 7762 ggcattcgca ttcgcggccgc accacccgtt cctacaaatc ttcatcgacc ggcttcacga 1680
 7764 gaccatccga ctgcgtcacaa gggatcagca gctgtggccc gaatccgagc agagccgcgc 1740
 7766 ggcctggact gggatcgacc tggatggatc accggcccgaa ttgcattcac cgacagtgtg 1800
 7768 cgcacgtatc tggggccggaa ggctgatctg cgttggaaacg cgctcaccgg actgcgtac 1860
 7770 gacgtaaga caaagctggt cgaggacgtg ctgttcctt cgatcaccgg cttagccct 1920
 7772 ggcacgcgc gttccgtaa tatggctcg aagcctgtca ctgatccctc ggcacgactc 1980
 7774 taccatcagc ccgagggttc gtggccgcat tggatgttca gatgtcgatg gggcaagtt 2040
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 7778 atttctgtat gcatgtgtat atgcgtttt acgacctcta taccctgtat gtttggat 2160
 7780 attaggacga tatttaatca tggatgttca gatgtcgatg gatgtcgatg aatgacttct 2220
 7782 acctgcagct ccaggatcgatg agccttgc taaacttca agagccggag ggcacgactc 2280
 7784 ggacacctgc cgcaagctcc ttgacttttc caggctttagt atggacgagg ctataaacgg 2340
 7786 ccccatgtt gcatcgctac ggcgcacgg ctatacgaa ccgtgttgc gactaaccag 2400
 7788 tatgtggaaa gttgtgcct tcatggggc ggcacatggc ttactgttca gctccaaacag 2460
 7790 cgcacattgg ctggatggg ctgtatggg aactcaaggc atggatcatat tcccaattta 2520
 7792 agtttacatg acgttagaaac ctgtatcgat tcaatcgatc aataactgttca 2580
 7794 gatgtgttca gaccggggccc tggatgttca gttactgggatg ctaatcgatc cacaatgttca 2640
 7796 aaatttgcac caccgtttt ccagatcccg gccgcgtccc aagaagaat atcaagccag 2700
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 7810 tcactttcat cgttgcgttgc agccatcgat tcccaatcgat tcccaatcgatc 3120
 7812 cagcagatgttgc tggatggatg tcccaatcgat tcccaatcgatc 3180
 7814 tccttccatcgat tcccaatcgat tcccaatcgat tcccaatcgatc 3240
 7816 gctgtgttgc tggatggatg tcccaatcgat tcccaatcgatc 3300
 7818 agagaacggg caaagatgttgc tccatcgat tcccaatcgat tcccaatcgatc 3360
 7820 gacccaaatcgat tcccaatcgat tcccaatcgat tcccaatcgatc 3420
 W--> 7822 tccataataa ttgttgc tccatcgat tcccaatcgat tcccaatcgatc 3480

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7824 ggtcatccct tataac 3496
 8081 <210> SEQ ID NO: 84
 8082 <211> LENGTH: 674
 8083 <212> TYPE: DNA
 8084 <213> ORGANISM: Aspergillus nidulans *arsl 12207*
 8086 <223> OTHER INFORMATION: unsure at all n locations
E--> 8087 <400> SEQUENCE: 84
 8089 gaataaccct actaaaggga tcagggcgtt gagcactcg gatacctgga tatagtctca 60
 8091 tctaaccgcgg gaattgtctc gttcgggcat gtcaggacg ttacccaga tttatgcgtc 120
 8093 ccatccctt acggaaatcc tggtagagctc tgacccatcg aggaattcga ccgagtattt 180
 8095 cgggtcaaca cgcgcggaca gttttcgctc gcccgcgagg cgtatcgca tctgcgtgaa 240
 8097 ggcggacgca tcatccctac aagttccaaac acagccacg tcaaaggcgt ccccaaggcac 300
 8099 gctgtgtact cgggtctaa gggggcgatt gacacccctt tgcgggtgcct agctatcgac 360
 8101 tgcggcgaca agaagatcac ggtcaacgcg tgcgtcccg gcccacatcaa gaccgatatg 420
 8103 tttctatccg tgcggcgaga gtatatcccc aatggggaga cttttactga tgacgggtg 480
 8105 gatgagggtac gtttgcgtt gtgtctagta tctacccggc ctgctaactg gacagtgtgc 540
 8107 cgcgtggctg tgcggctaa atcgggtcg attaccgggtt gacgtggccc cgggtgtcag 600
W--> 8109 ctttctatgtc tcagatgcng ccgnattgtat cagtggaaag attattggcg ttgtatgggg 660
 8111 gccttttagat aaggc 674
 9218 <210> SEQ ID NO: 108
 9219 <211> LENGTH: 1395
 9220 <212> TYPE: DNA
 9221 <213> ORGANISM: Aspergillus nidulans *arsl 12207*
 9223 <223> OTHER INFORMATION: unsure at all n locations
E--> 9224 <400> SEQUENCE: 108
 9226 gacggatgag tccagctgtat ctcggatgca atacaacgcg cgtccatattt gtttctatca 60
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 9230 ccgacatggc cagaatccat gctcgcttgc cggccactcg gatctctatc gcaactata 180
W--> 9232 ggcgcacanat catggacgtat ctcagatcc gggctcgatc atcagatcc gaggccaaat 240
 9234 ctgaagcaag ttgaattgtat aagatccctc ggaatgagaa gcctagtgcg cgaaagatgt 300
 9236 acctgggtt taccgaatca agaccgattt cccggatgag gcccgttta ctttcgttgc 360
 9238 catttcaaga gacaccagac agggagccgt acatacccgcc ttttgcgttgcctt ctttcgttgc 420
 9240 cgttgcggaaat tcatatcaga tttatgcgtt gatgtatccat ttttgcgttgcctt ctttcgttgc 480
 9242 ccgttactat ttgttactac caccggccaa ctggggatcgatc atagggttttcc 540
 9244 gctgagggtt acggccatcc cccggggaaa gaaaattgtt taaaggccgt tatatacgat 600
 9246 ttcatttcttgc cctcgccgc acttccatattt ctttgcgttgcctt ctttcgttgc 660
 9248 aagtttccg atgaggcggtt ttttgcgttgcctt ctttcgttgc 720
 9250 ttcaaaagcg aaacgcactt ttgggttccaa ttttgcgttgcctt ctttcgttgc 780
 9252 tgacaaattt gaggcggttgcctt gcccgttgcctt gtttgcgttgcctt ctttcgttgc 840
 9254 agacaaccgc aaaatcgatccatccatca aacccgttgcctt ctttcgttgcctt ctttcgttgc 900
 9256 gttacccggc ctttgcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgc 960
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 9262 accttcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgc 1140
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 9266 tccatccat ttttgcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgc 1260
 9268 cggaaaggcc aacgcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgc 1320
 9270 gtttgcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgcctt ctttcgttgc 1380
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9715 <210> SEQ ID NO: 117
9716 <211> LENGTH: 880
9717 <212> TYPE: DNA
9718 <213> ORGANISM: Aspergillus nidulans *rsut 2207*
9720 <223> OTHER INFORMATION: unsure at all n locations
E--> 9721 <400> SEQUENCE: 117
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9725 taagaacggc gggatgcggg cgaggttggaa gaagcagata atgaagggtga aacagatcag 120
9727 gctgacttggaa cagggttggac agcagaaaatc ctgataggat ctatgtccat ttgttctata 180
9729 ttatgggttca ggggttgggtt ggattttggag gctgggttctt gggcggccgg gtagcaccgg 240
9731 tcggcgcgtt gaacaaggatc aatatattca ttatgttggaa ggtcaaaatg agagtctgttc 300
9733 aaactttcca atatctggta gagattgggc cgagggccccc gatggagcgtt ggacacacac 360
9735 aaaatatctg gccatgagtt ttttggcc tcttacaaga gcttttcaaa acgagcaagg 420
9737 taagccacaa gcaatttcatc atccctttaa gagatgttgg agaategttgc tatggcttct 480
9739 tgggttccc gtgggttggt acagaggcat tggaaagaagg agaagataac ctcaggatcc 540
9741 tattttttgtt tatcttctgc agactggcag agttgttagga ccgaaggctt ctatggctgt 600
9743 tctaatttgc ttatatacata gtcaaaggca tcagctctgg tgagctgttgc agatcagagt 660
9745 tttgttgc tagatggaaat ccatgttacaa ggtatgttata gtttgcattt gaagcaaggc 720
W--> 9747 aggtcaggta gatgggttctt ggggtctgtt gcaatgttgc gctgggttaca agctgttgc 780
9749 ctcagtacag agggatcaag gtctatcaag ttgttgcattt caagcatttgc tctggagctg 840
9751 ttgaagtcaat atgttgcattt gagtttgc ttgttgc 880
9826 <210> SEQ ID NO: 120
9827 <211> LENGTH: 233
9828 <212> TYPE: DNA
9829 <213> ORGANISM: Aspergillus nidulans *rsut 2207*
9831 <223> OTHER INFORMATION: unsure at all n locations
E--> 9832 <400> SEQUENCE: 120
9834 atgggttgc taagtttctg cgaaggcgaa acgagatggc cacgatttgc aattactgtt 60
W--> 9836 ataagggttc gtcancacccg aacgcacaat atgttgcgtt acaggctgcg cgaccatgag 120
9838 tgggttgc tgggttgc ttcgttgc ttcgttgc ttcgttgc ttcgttgc ttcgttgc ttcgttgc 180
9840 catgttgc tgggttgc ttcgttgc ttcgttgc ttcgttgc ttcgttgc ttcgttgc ttcgttgc 233
10075 <210> SEQ ID NO: 129
10076 <211> LENGTH: 710
10077 <212> TYPE: DNA
10078 <213> ORGANISM: Aspergillus nidulans *rsut 2207*
10080 <223> OTHER INFORMATION: unsure at all n locations
E--> 10081 <400> SEQUENCE: 129
10083 tggccatggc tgaagtcaaca gaggcttcc agggggcggtt ggttgcatttgc aacgcacaaat 60
10085 cttttgcgtt cttccaccccg gtcatttgc ttttttttttcaatgttgc ttttttttttgc gacatccctg 120
10087 ttcttatttttcaatgttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 180
10089 tggatgcggg tggatgcggg acgttatttgc ttcttgcatttgc ttttttttttgc ttttttttttgc 240
10091 aacttacgtt atgttgcatttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 300
10093 ccgagcttgc tggatgcggg ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 360
10095 ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 420
10097 gtttgcggg ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 480
10099 cggatgcggg tggatgcggg ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 540
10101 atacgaaat gcaatgttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 600
W--> 10103 ttatgttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 660
10105 gtacttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc 710

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10590 <210> SEQ ID NO: 141
10591 <211> LENGTH: 171
10592 <212> TYPE: DNA
10593 <213> ORGANISM: Aspergillus nidulans *insert 12207*
10595 <223> OTHER INFORMATION: unsure at all n locations
E--> 10596 <400> SEQUENCE: 141
W--> 10598 agtagccagc ggtgtcaaga atctgaatac cgccccnnnn nnnnnnnnnn nnnnnnnnnn 60
10600 nnnnnnnnnn nnnnnnnnnn nnnnnnnctg cagcaacgga atgggtgtcg aaattattac 120
10602 tatagatcga gccagcacgc caggcaccgc cgctaagccaa gacaagtacg t 171
10785 <210> SEQ ID NO: 144
10786 <211> LENGTH: 1485
10787 <212> TYPE: DNA
10788 <213> ORGANISM: Aspergillus nidulans *insert 12207*
10790 <223> OTHER INFORMATION: unsure at all n locations
E--> 10791 <400> SEQUENCE: 144
10793 gaaagacatc atcttggctg atatgggtgg agatataattt ctacccgtat atttttctat 60
10795 taaggctatc acgttaacac ctcttaccaa cctgtactt cggccaagtc cactctccat 120
10797 ccgttcttg cgccgttcaa gcttgaagag ggtgtatggct gcacgcagca ctgtctttat 180
10799 acctggccat tgcatttgc tctttactat caaaatttc ctgcgcgtat ctcccaaaat 240
10801 tacaggccct gcttctaaac agatagtctc agccgtgaca gctggccata tccgttgc 300
10803 gagaataacg ggcagggtt ccctccgcg attttatatg gcaatccaag cactaaacga 360
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10811 gcgttctga caactatttt attatagcgg taacttgca gatatagtct ttatgaaggt 600
10813 ttccgcaaaatg tatgacgcgtt caatttcgccc aggtatctt gggccactgg ggtttagatt 660
10815 gttggccacg tggatataat ggcctgatct ccaacccctg acgtatgc acctcaat 720
10817 accgtattga gagacacaga agaagagatt tattcgcaac gagatagata gtcataatgtc 780
10819 atatggcatc cgctccttag caagctacat ccgtgtatgtt gatacgtttt ccttctgccc 840
10821 ttcccccattt gagcgtacat gctgtatctac aacaatgcga ttattaccaaa aaacaagtca 900
10823 ggtccaaataa ggccttaaaa cggccgcgtt catctaaattt agcaatggaa ctatgggtcc 960
10825 tcgaagccggg ctccgtctgtt cccgttaacgc ctgagtccaa tcccccgcgc 1020
10827 aatcaactctt ataaactctca aaattttccaa cgtacctggg aatctctcgtt atttttccaa 1080
10829 ttggcgttcc gcccacccgtt cactttctt tccaggcggaa aagacagcta gcatgtcatc 1140
10831 tggatataat ggcctgatctt cccgttaacgc ctgagtccaa tcccccgcgc 1200
10833 gctgtatcggtt tggatccgtt ggtatccgtt ttcaccggct taatgaccgc 1260
10835 agtataatcggtt tggatccgtt gatattctgaa tgcagaaatg gctgttggaa cgccttttgg 1320
10837 attttccatg cgtatcgata tagacagccaa ttgggaggag caccggaaatg aggtgaaaga 1380
W--> 10839 cactttcatg gccagctggc acgcctacgc caaacatgcc tgggttggaa ngatcatcg 1440
10841 cttcaaaattt ggcttctttt ctatcttattt tatttttttgg tttttt 1485
11004 <210> SEQ ID NO: 149
11005 <211> LENGTH: 608
11006 <212> TYPE: DNA
11007 <213> ORGANISM: Aspergillus nidulans *insert 12207*
11009 <223> OTHER INFORMATION: unsure at all n locations
E--> 11010 <400> SEQUENCE: 149
11012 cttagaactaa gaacttaggaa tcaattacag gaagattcgg acaaagaata gatggctaac 60
11014 tacatgtatcgtt gccaaatctt tcgaggctaa aggatgttaa tcaaaagaaac gaatagggtc 120
11016 aactatggctt gctatggccc cagggtggg aagaatcagg caagccctag atcacctgca 180

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11958 <210> SEQ ID NO: 166
11959 <211> LENGTH: 173
11960 <212> TYPE: DNA
11961 <213> ORGANISM: Aspergillus nidulans *insert 12207*
11963 <223> OTHER INFORMATION: unsure at all n locations
E--> 11964 <400> SEQUENCE: 166
11966 taaaggatc tagaatcgtagttt tgataaggaa aagcacatgg aatacattgg 60
W--> 11968 aaatttagtgc tataaggatc cgctangaca gaaggcagaa tactgtgttg tataaggatc 120
11970 gagagaatgatc ctgttgatc gatgtgttca ttatgtttt ccattttatc cag 173
13005 <210> SEQ ID NO: 177
13006 <211> LENGTH: 712
13007 <212> TYPE: DNA
13008 <213> ORGANISM: Aspergillus nidulans *insert 12207*
13010 <223> OTHER INFORMATION: unsure at all n locations
E--> 13011 <400> SEQUENCE: 177
13013 cctcggacaa caaggatc tac ttccagctgc accagaacgg ctcctcgaca gttAACACGG 60
13015 gccccatgg attggagcgt ctcgactaca tcatctctgg ggccgagaag cgccgaatca 120
13017 agtggatcat cccgttgggt aactactggg acgactttgg tggcatgaat gcctacatca 180
13019 gcgcctatgg cggcgacaag cccggctgggt acaccaatga taagattcag gctgcataatc 240
13021 acgcctacgt caaggccgtg gtgagccgt atgttgcactc cggcaatct ttgcctggaa 300
13023 gttggcaat gagccccgtc gcagtgggttgc acacacgttcc atcatcaatc agtgggcgac 360
13025 gaaaaccatc agttcattaa aatcccttggatccaaaccat atggtagcca tgggcgacgg 420
13027 tgagtccctt gaatctccctt ctctctggtc gttagaccgcg gctaagaggg gatctctt 480
13029 agagggcatg ggcctccctt gtgacagcaat ctagccctac tccctactac aaggcaacga 540
13031 ctttgcactg aacccatggca tccggacat tgactttggc actctccatc tctacaccac 600
W--> 13033 cgactgtacg tatctnccgg atgacccagt tctcgatc ttatccatat cgggtgtcaa 660
13035 tgacttccag gggcgatg caacaactcg tggggcaaca agtgggtaca ag 712
13632 <210> SEQ ID NO: 183
13633 <211> LENGTH: 1245
13634 <212> TYPE: DNA
13635 <213> ORGANISM: Aspergillus nidulans *insert 12207*
13637 <223> OTHER INFORMATION: unsure at all n locations
E--> 13638 <400> SEQUENCE: 183
13640 atgataagca cagcgatcc cgttgggtt aacgacggcg agggatagc accggacttt 60
13642 ataaacatcg tgcataaaacg tccgacctt cattgatcat cctgtatgg tctgcctcaa 120
13644 agaaatagaa aagatttggg tgaccgtaa acacacacac ggaatggcac aagcaaggcc 180
13646 akgaggtgtc tctggaccga cagttggagt gtcaagacag ggcgagacgc agcgtatgg 240
13648 atgatcgatc ctatgttcc ctgttggaaa catcgatgtt gggtagtgcgatc ttcactaca 300
13650 agtataacga tcttggatgg ctgaacggag gaaaacgggc agaaccgtt cagtaacagc 360
13652 tgacccctgt gatgtgtcgatc atctgcatct taattttttc tcaagacatgt gacagtttct 420
13654 gttggcgatc gctggcgctt ctaagttaga gggatccgtatc gctccataga tcagactgcc 480
13656 tccggatataa aaggtcaccat ctccttcaa gcagtcaatg tacttacggg aaacatggaa 540
13658 acatgagtca acttgcacaa gttggcatag ctttggatcc tccgttgcag gtcgggact 600
13660 tggtaagctc acttctttgtt cgagtactga atataccat atttcgaaaga gaattatgg 660
13662 tggatgttc gttggatgtc ggtatggatc cgattgtaca tcaagacccgg tggatggat 720
13664 tggatgttc gttggatgtc ggtatggatc cgattgtaca tcaagacccgg tggatggat 780
13666 ctcttggca acttaagacc tattttcaat catggaaatca gctttcattt gttggatgt 840
13668 gatgttggatcc gaagaagtacttgcgac gttggaaaaa acaggaacgc tggatggat 900
13670 ccaatggct gaccggcgac cattccctac tcggaaagagg aatcaccatgt ctgtgtatgt 960

IMPORTANT
The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

IMPORTANT

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

13672 catcggttcc acgtgatgca cgccgcgtct tgagcttccc caagctgggt actgggagaa 1020
13674 gcttcagggtt tcagcattaa gggtcttggt caatgtcact gacgcccgggt tagcgtccta 1080
W--> 13676 tcaatctcaa tetagtttc agegttcttnt caagtcaccc gccgggttctg ttccggatca 1140
13678 ccatcgctat ctnccgtgtc atcacggttt tccggcggtcc caccgagett tcgctccta 1200
13680 gccgcctgg tccctccttc agctcagttt ctgtctgacc tagcg 1245

Important The type of errors shown exist throughout
the sequence listing. Please check subsequent
sequences for similar errors.

1
Jest

09/404,520A 14

<210> 44347 last sequence in submitted file
<211> 21
<212> DNA
<213> Aspergillus nidulans

<400> 44347

gttctcgaga cgagcgatcg c

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VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

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Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:24; N Pos. 211
Seq#:28; N Pos. 664
Seq#:33; N Pos. 1020
Seq#:37; N Pos. 1168
Seq#:45; N Pos. 586,757,758
Seq#:47; N Pos. 6706
Seq#:51; N Pos. 274
Seq#:80; N Pos. 3456,3461
Seq#:84; N Pos. 619,624
Seq#:108; N Pos. 188
Seq#:117; N Pos. 750
Seq#:120; N Pos. 75
Seq#:129; N Pos. 656
Seq#:141; N Pos. 36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54
Seq#:141; N Pos. 55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73
Seq#:141; N Pos. 74,75,76,77,78,79,80,81,82,83,84,85,86,87
Seq#:144; N Pos. 1431
Seq#:149; N Pos. 351
Seq#:154; N Pos. 2054,2056
Seq#:166; N Pos. 86
Seq#:177; N Pos. 616
Seq#:183; N Pos. 1109,1153
Seq#:195; N Pos. 4195
Seq#:197; N Pos. 830
Seq#:205; N Pos. 3103
Seq#:209; N Pos. 785,793,824
Seq#:220; N Pos. 16,33,34,74
Seq#:233; N Pos. 447
Seq#:236; N Pos. 146
Seq#:245; N Pos. 316,411
Seq#:275; N Pos. 502
Seq#:285; N Pos. 1544
Seq#:304; N Pos. 912
Seq#:310; N Pos. 671
Seq#:324; N Pos. 1508
Seq#:325; N Pos. 1222,1223,2378,2382,2427,2608
Seq#:334; N Pos. 803,807
Seq#:347; N Pos. 2863
Seq#:355; N Pos. 5912
Seq#:360; N Pos. 2289
Seq#:363; N Pos. 18
Seq#:365; N Pos. 519
Seq#:367; N Pos. 2039

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

Seq#:403; N Pos. 73
Seq#:425; N Pos. 620
Seq#:426; N Pos. 1004
Seq#:439; N Pos. 47,50,68,138,162,165,243,250,264,272,298,299,301,302,334
Seq#:439; N Pos. 385,420,463,489,493,573
Seq#:441; N Pos. 423
Seq#:457; N Pos. 669
Seq#:460; N Pos. 4388,4397

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1363 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24
L:1363 M:283 W: Missing Blank Line separator, <400> field identifier
L:1371 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1371 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:24
L:1371 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:24
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:1560 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:28
L:1560 M:283 W: Missing Blank Line separator, <400> field identifier
L:1584 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:1584 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:28
L:1584 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:28
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:660
L:1925 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:33
L:1925 M:283 W: Missing Blank Line separator, <400> field identifier
L:1959 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:1959 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:33
L:1959 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:33
L:1959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:960
L:2066 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:37
L:2066 M:283 W: Missing Blank Line separator, <400> field identifier
L:2106 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37
L:2106 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:37
L:2106 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:37
L:2106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:1140
L:2411 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:45
L:2411 M:283 W: Missing Blank Line separator, <400> field identifier
L:2431 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:2431 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:45
L:2431 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:45
L:2431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:540
M:341 Repeated in SeqNo=45
L:2468 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:47
L:2468 M:283 W: Missing Blank Line separator, <400> field identifier
L:2692 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47
L:2692 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:47
L:2692 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:47
L:2692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:6660
L:2783 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:51
L:2783 M:283 W: Missing Blank Line separator, <400> field identifier
L:2793 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
L:2793 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:51
L:2793 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:51
L:2793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240
L:7706 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:80
L:7706 M:283 W: Missing Blank Line separator, <400> field identifier
L:7822 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:80

VERIFICATION SUMMARY

DATE: 01/07/2004

PATENT APPLICATION: US/09/404,520A

TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:7822 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:80
L:7822 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:80
L:7822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:3420
L:8087 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:84
L:8087 M:283 W: Missing Blank Line separator, <400> field identifier
L:8109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:84
L:8109 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:84
L:8109 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:84
L:8109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:600
L:9224 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:108
L:9224 M:283 W: Missing Blank Line separator, <400> field identifier
L:9232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108
L:9232 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:108
L:9232 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:108
L:9232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:180
L:9721 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:117
L:9721 M:283 W: Missing Blank Line separator, <400> field identifier
L:9747 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:117
L:9747 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:117
L:9747 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:117
L:9747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:720
L:9832 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:120
L:9832 M:283 W: Missing Blank Line separator, <400> field identifier
L:9836 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:120
L:9836 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:120
L:9836 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:120
L:9836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:60
L:10081 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:129
L:10081 M:283 W: Missing Blank Line separator, <400> field identifier
L:10103 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:129
L:10103 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:129
L:10103 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:129
L:10103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:600
L:10596 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:141
L:10596 M:283 W: Missing Blank Line separator, <400> field identifier
L:10598 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:141
L:10598 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:141
L:10598 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:141
L:10598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
M:341 Repeated in SeqNo=141
L:10791 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:144
L:10791 M:283 W: Missing Blank Line separator, <400> field identifier
L:10839 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:144
L:10839 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:144
L:10839 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:144
L:10839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:1380
L:11010 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:149
L:11010 M:283 W: Missing Blank Line separator, <400> field identifier
L:11022 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:149

VERIFICATION SUMMARY

DATE: 01/07/2004

PATENT APPLICATION: US/09/404,520A

TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:11022 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:149
L:11022 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:149
L:11022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:300
L:11285 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:154
L:11285 M:283 W: Missing Blank Line separator, <400> field identifier
L:11355 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:154
L:11355 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:154
L:11355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:2040
L:11964 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:166
L:11964 M:283 W: Missing Blank Line separator, <400> field identifier
L:11968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166 after pos.:60
L:13011 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:177
L:13011 M:283 W: Missing Blank Line separator, <400> field identifier
L:13033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:600
L:13638 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:183
L:13638 M:283 W: Missing Blank Line separator, <400> field identifier
L:13676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:1080
M:341 Repeated in SeqNo=183
L:14911 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:195
L:14911 M:283 W: Missing Blank Line separator, <400> field identifier
L:15051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:4140
L:15118 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:197
L:15118 M:283 W: Missing Blank Line separator, <400> field identifier
L:15146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:780
L:15673 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:205
L:15673 M:283 W: Missing Blank Line separator, <400> field identifier
L:15777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:3060
L:16028 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:209
L:16028 M:283 W: Missing Blank Line separator, <400> field identifier
L:16056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:780
L:16661 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:220
L:16661 M:283 W: Missing Blank Line separator, <400> field identifier
L:16663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
M:341 Repeated in SeqNo=220
L:17374 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:233
L:17374 M:283 W: Missing Blank Line separator, <400> field identifier
L:17390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:420
L:17457 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:236
L:17457 M:283 W: Missing Blank Line separator, <400> field identifier
L:17463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:120
L:17884 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:245
L:17884 M:283 W: Missing Blank Line separator, <400> field identifier
L:17896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:300
M:341 Repeated in SeqNo=245
L:19129 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:275
L:19129 M:283 W: Missing Blank Line separator, <400> field identifier
L:19147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:480
L:19734 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:285
L:19734 M:283 W: Missing Blank Line separator, <400> field identifier

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:19786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:1500
L:20987 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:304
L:20987 M:283 W: Missing Blank Line separator, <400> field identifier
L:21019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:900
L:21306 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:310
L:21306 M:283 W: Missing Blank Line separator, <400> field identifier
L:21330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:660
L:21915 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:324
L:21915 M:283 W: Missing Blank Line separator, <400> field identifier
L:21967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:1500
L:21988 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:325
L:21988 M:283 W: Missing Blank Line separator, <400> field identifier
L:22030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:1200
M:341 Repeated in SeqNo=325
L:22577 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:334
L:22577 M:283 W: Missing Blank Line separator, <400> field identifier
L:22605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:780
L:23450 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:347
L:23450 M:283 W: Missing Blank Line separator, <400> field identifier
L:23546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:347 after pos.:2820
L:24201 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:355
L:24201 M:283 W: Missing Blank Line separator, <400> field identifier
L:24399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:5880
L:24620 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:360
L:24620 M:283 W: Missing Blank Line separator, <400> field identifier
L:24698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:2280
L:24853 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:363
L:24853 M:283 W: Missing Blank Line separator, <400> field identifier
L:24855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0
L:25104 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:365
L:25104 M:283 W: Missing Blank Line separator, <400> field identifier
L:25122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:480
L:25187 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:367
L:25187 M:283 W: Missing Blank Line separator, <400> field identifier
L:25255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:1980
L:28090 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:403
L:28090 M:283 W: Missing Blank Line separator, <400> field identifier
L:28094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:60
L:30085 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:425
L:30085 M:283 W: Missing Blank Line separator, <400> field identifier
L:30107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425 after pos.:600
L:30118 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:426
L:30118 M:283 W: Missing Blank Line separator, <400> field identifier
L:30152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:960
L:30961 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:439
L:30961 M:283 W: Missing Blank Line separator, <400> field identifier
L:31028 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:441
L:31028 M:283 W: Missing Blank Line separator, <400> field identifier
L:32189 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:457

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/404,520A

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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L:32189 M:283 W: Missing Blank Line separator, <400> field identifier
L:32294 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:460
L:32294 M:283 W: Missing Blank Line separator, <400> field identifier
L:32535 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:463
L:32535 M:283 W: Missing Blank Line separator, <400> field identifier
L:32598 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:464
L:32598 M:283 W: Missing Blank Line separator, <400> field identifier
L:13 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (44345) Counted (44347)